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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
09/676,997	09/29/2000	Ange Aznar	FR9-1999-0080 US1	2350		
45503 7	590 11/29/2005		EXAM	EXAMINER		
DILLON & YUDELL LLP			MURPHY, F	MURPHY, RHONDA L		
8911 N. CAPITAL OF TEXAS HWY., SUITE 2110			ART UNIT	PAPER NUMBER		
AUSTIN, TX	78759	2667				
	DATE MAILED: 11/29/2005					

Please find below and/or attached an Office communication concerning this application or proceeding.

		<b>(X</b>					
Office Action Summary		Application No.		Applicant(s)			
		09/676,99	7	AZNAR ET AL.			
		Examiner		Art Unit			
		Rhonda M		2667			
The MAILING DAT Period for Reply	E of this communication ap	pears on the	cover sheet with the d	correspondence ac	ddress		
THE MAILING DATE OF  - Extensions of time may be availa after SIX (6) MONTHS from the r  - If the period for reply specified at - If NO period for reply is specified - Failure to reply within the set or e	TORY PERIOD FOR REPL THIS COMMUNICATION. ble under the provisions of 37 CFR 1. nailing date of this communication. ove is less than thirty (30) days, a reg above, the maximum statutory period xtended period for reply will, by statut ater than three months after the mailing See 37 CFR 1.704(b).	.136(a). In no even ply within the statu d will apply and wi te, cause the appl	ent, however, may a reply be tin story minimum of thirty (30) day Il expire SIX (6) MONTHS from ication to become ABANDONE	nely filed s will be considered time the mailing date of this of 0 (35 U.S.C. § 133).			
Status							
1) Responsive to com	munication(s) filed on 145	September 2	<u>005</u> .				
2a) This action is FINA	action is <b>FINAL</b> . 2b) This action is non-final.						
3) Since this application	Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
closed in accordan	ce with the practice under	Ex parte Qu	ayle, 1935 C.D. 11, 4	53 O.G. 213.			
Disposition of Claims							
4a) Of the above classified (a)   5)  Claim(s) is/a 6)  Claim(s) <u>1-11</u> is/ara 7)  Claim(s) is/a	e rejected.	awn from co					
Application Papers							
10)⊠ The drawing(s) filed Applicant may not rec	quest that any objection to the sheet(s) including the correct	re: a)⊠ acc e drawing(s) b ction is require	e held in abeyance. Seed if the drawing(s) is ob	e 37 CFR 1.85(a). jected to. See 37 C	FR 1.121(d).		
Priority under 35 U.S.C. § 1	19						
<ul> <li>12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received in Application No</li> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</li> <li>* See the attached detailed Office action for a list of the certified copies not received.</li> </ul>							
Attachment(s)							
	TO-892) nt Drawing Review (PTO-948) nent(s) (PTO-1449 or PTO/SB/08	3)	4) Interview Summary Paper No(s)/Mail Do 5) Notice of Informal F 6) Other:	ate	O-152)		

#### **DETAILED ACTION**

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## Response to Amendment

This communication is responsive to the amendment filed on September 14,
 Accordingly, claims 1-11 are currently pending in this application.

## Claim Rejections - 35 USC § 103

- 1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
  - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 1. Claims 1 and 6 9 are rejected under 35 U.S.C. 103(a) as being unpatentable over Storr (US 6,633,543) in view of Shobatake (US 2003/0021279) and Yoshida (US 6,404,740).

Regarding claims 1 and 9, Storr teaches a method of setting up a path, through an ATM network (col. 3, lines 10-12), between an entry port (Fig. 1, trunk 141) and an access point (network equipment 103); duplicating all cells of incoming traffic entering through said entry port (col. 6, lines 51-53; multiple cells or all cells are capable of duplication); and transporting the duplicated cells along the path (col. 3, lines 42-45; col. 6, lines 34-38).

Storr fails to explicitly disclose marking the duplicated cells. However, Shobatake teaches tagging the duplicated cells (page 16, paragraph 0189; lines 7-16).

Thus, it would have been obvious to one having ordinary skill in the art at the time the invention was made, to modify the system of Storr, by including Shobatake's method of tagging cells, since both teachings relate to ATM communication systems and cell tagging will indicate a connection to which the cell belongs (page 16, paragraph 0189).

In addition, Storr fails to explicitly disclose the access point as an observation point and marking cells independent of the connection.

Yoshida teaches an observation point (Fig. 2, col. 5, lines 13-18) and marking cells independent of the connection (col. 4, lines 5-18).

In view of this, it would have been obvious to one skilled in the art to modify

Storr's system by incorporating an observation point, for the purpose of monitoring cells
entering the network, and marking cells independent of the connection, for the purpose
of identifying cells in a way that does not include the connection information.

**Regarding claim 6**, Storr further teaches transmission of duplicate cells from the source, to each destination (col. 6, lines 51-53).

**Regarding claim 7**, Storr teaches duplicating cells transmitted over ATM switches. The process of duplicating the cells includes duplicating various types of cells.

Thus, it would have been obvious to one having ordinary skill in the art at the time the invention was made, to include cells such as unexpected cells, error cells, and nonconforming cells, which would enable an observation point to monitor all traffic entering the switches.

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Regarding claim 8, the combined method of Storr and Shobatake teach transporting marked and duplicated cells in an ATM network. It is known in the art that cells are marked for the purpose of uniquely identifying the cells. Thus, enabling the receiving switch nodes to recognize these distinct cells.

Cell headers provide source and destination information of each switch node and upon cell arrival, the switch node port tests whether the cell was properly transmitted to its intended destination. Thus, it is known in the art that tests are performed to determine whether the port of each switching node is included in the path to the observation point.

Additionally, it is known in the art and obvious to one skilled in the art that the cell will continue to travel along its intended path when each switching node port properly receives the cell. Thus, allowing continued transmission to the intended destination.

Furthermore, it is known in the art and obvious to one skilled in the art that the cell will discard and record an error when the cell is sent to an incorrect switching node. Thus, tracking erroneous transmissions and securing the networking by preventing receipt of unintended data.

2. Claims 2-5 are rejected under 35 U.S.C. 103(a) as being unpatentable over Storr and Shobatake as applied to claim 1 above, and further in view of Palnati et al. (US 5,991,297).

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**Regarding claim 2**, the combined method of Storr and Shobatake teach marking and duplicating cells in an ATM network.

Storr and Shobatake fail to teach reserving a bit within a cell.

However, Palnati teaches inserting a bit selection into the cell header for every multicast cell (col. 5, lines 62-65). Thus, it would have been obvious to one having ordinary skill in the art at the time the invention was made, to modify the method of Storr and Shobatake, by inserting a bit selection into the cell header, as taught by Palnati, for the purpose of distinguishing cells amongst duplicate cells.

**Regarding claim 3**, the combined method of Storr, Shobatake and Palnati teach reserving a bit within a cell header.

Storr, Shobatake and Palnati fail to explicitly disclose the cell header field as a generic flow control field.

However, it is known in the art and obvious to one skilled in the art that the generic flow control field is located within the header of a cell. Thus, Storr, Shobatake and Palnati method would be modified to utilize a bit in a cell's generic flow control field, in order to control the flow of ATM cells over the user-network interface (Storr, col. 4, lines 17-19).

**Regarding claim 4**, the combined method of Storr, Shobatake and Palnati teach reserving a bit within a cell header.

Storr, Shobatake and Palnati fail to explicitly disclose the cell header field as a most significant bit of a virtual channel identifier field.

However, it is known in the art and obvious to one skilled in the art that the virtual channel identifier field is located within the header of a cell and the most significant bit can be used. Thus, Storr, Shobatake and Palnati method would be modified to utilize a bit in a cell's virtual channel identifier field, so as to identify the channel for routing the ATM cell through a network (Storr, col. 4, lines 19-21).

**Regarding claim 5**, the combined method of Storr and Shobatake teach marking and duplicating cells in an ATM network.

Storr and Shobatake fail to teach marking the duplicated cells with any combination of bits.

However, Palnati teaches unique combination of bits within a header of the cells (col. 6, lines 34-41). It would have been obvious to one having ordinary skill in the art at the time the invention was made, to modify the method of Storr and Shobatake, to include Palnati's teaching of unique bit combinations within a header, for the purpose of conforming to different implementations (col. 6, lines 40-41).

3. Claims 10-11 are rejected under 35 U.S.C. 103(a) as being unpatentable over Storr, Shobatake and Yoshida, in view of Delattre et al. (US 6,606,302).

Regarding claim 10, Storr teaches a cell switch fabric (Fig. 3, ATM switch fabric 302) in each switching node (switch 300); and line connections (lines between the switch fabric and switch ports) between the ports (switch ports 320 and 330) and the switch fabric.

Although Storr teaches line connections between the switch fabric and the switch ports, Storr fails to explicitly disclose adaptive blades.

However, Delattre teaches adaptive blades (Fig. 1b, line cards 7) between the switch fabric and ports.

In view of this, it would have been obvious to one skilled in the art to modify the system of Storr, Shobatake and Yoshida, by including adaptive blades for the purpose of implementing access functions for managing ports.

Regarding claim 11, Storr teaches means for replicating cells.

Storr fails to explicitly disclose means within the cell switch fabric or within the adaptive blades for replicating cells.

However, Delattre teaches means within the cell switch fabric for replicating cells (col. 6, lines 4-6).

In view of this, it would have been obvious to one skilled in the art to modify the system of Storr, Shobatake and Yoshida, by duplicating cells within the switch fabric, in order to provide a copy of cells to be transmitted through the ATM network.

### Conclusion

4. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not

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mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Rhonda Murphy whose telephone number is (571) 272-3185. The examiner can normally be reached on Monday - Friday 8:00 - 4:30pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Chi Pham can be reached on (571) 272-3179. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

> Rhonda Murphy Examiner Art Unit 2667

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